**Xxxxxx Xxxxx**

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Tsinghua University, Beijing, China, 100084

**EDUCATION BACKGROUND**

**Tsinghua University** Expected 07/2018

*Department of Computer Science and Technology*

* Overall GPA: **88.7**/100, Rank: XX%
* Standard Tests: TOEFL 101 (Speaking 23) GRE 322 (AW 4.0)
* Research interests：***Natural Language Processing, Machine Learning***
* Programming languages: C/C++, Java, Python, Matlab.
* Awards and Honors：

2nd Prize in Texas Instrument Cup Campus Embedded Car Race Competition 06/2015

2nd Prize in Beijing College Students Mathematic Modeling Competition 09/2016

**RESEARCH EXPERIENCE**

**Research on children’s second language learning** 11/2016 – 05/2017

*Student Research Training program, supervised by Associate Prof. Min Zhang*

* Used graph theory to model the semantic word network’s variance of language learning process for children, based on the related researches in psychology and linguistics.
* Adapted from short-form Communicative Development Inventories, questionnaires were used to collect L2 data which was visualized using NLP tools such as Word2Vec.
* A paper based on the work has been accepted by the workshop of RecSys 17 (KidRec).

**INTERNSHIP**

**Machine Translation Intern** 07/2017 – 11/2017

*Member in Luna team at Youdao, Netease Company*

* Built a Chinese-Vietnamese machine neural hybrid translating system based on tools such as SRILM.
* Wrote distributed crawlers employed on Hadoop to collect huge amounts of bilingual parallel sentences.
* Added code to implement the Named Entity Recognizing of Vietnamese part, handling trivial details like spelling correction using rule-based and statistical LM methods.
* The translating system is currently running online.

**COMPETITIONS EXPERIENCE**

**Texas Instrument Cup Campus Embedded Car Race Competition 2nd Prize** 06/2015

* Assembled and installed different modules like Bluetooth and Infrared detection modules on embedded board provided by the organizer.
* Designed the communication protocol and implemented a wireless control program, as well as the related controlling software on PC.

**Beijing College Students Mathematic Modeling Competition 2nd Prize** 09/2016

* Simulated the real-time traffic flow in a given district using C++.
* Visualized flow distribution and proposed plans about road expansions of the city.
* Calculated distance function via Floyd matrix iterative algorithm and made corrections considering realistic factors.

**SELECTED COURSE PROJECT**

**Artificial Intelligent Robot of Four Chess** 06/2016

*Introduction of Artificial Intelligence, supervised by Prof. Shaoping Ma*

* Chose every step on board based on multi-armed bandit model to maximize revenue with Upper Confidence Bound as decision function.
* Implemented Monte Carlo Tree Searching framework and UCT algorithm.

**MIPS Five-stage Pipeline CPU** 11/2016

*Computer Organization, supervised by Associate Prof. Weidong Liu*

* Implemented a standard MIPS 5-stage pipeline CPU based on the FPGA embedded board using VHDL.
* Supported assembly program’s running, VGA video signal output and keyboard interrupts input.

**EXTRACURRICULAR ACTIVITIES**

* Basketball team captain of Class 45 in Computer Science Department 09/2014 – P r e s e n t
* Member in Network Department of Student Association of Science and Technology 07/2015 – 07/2016